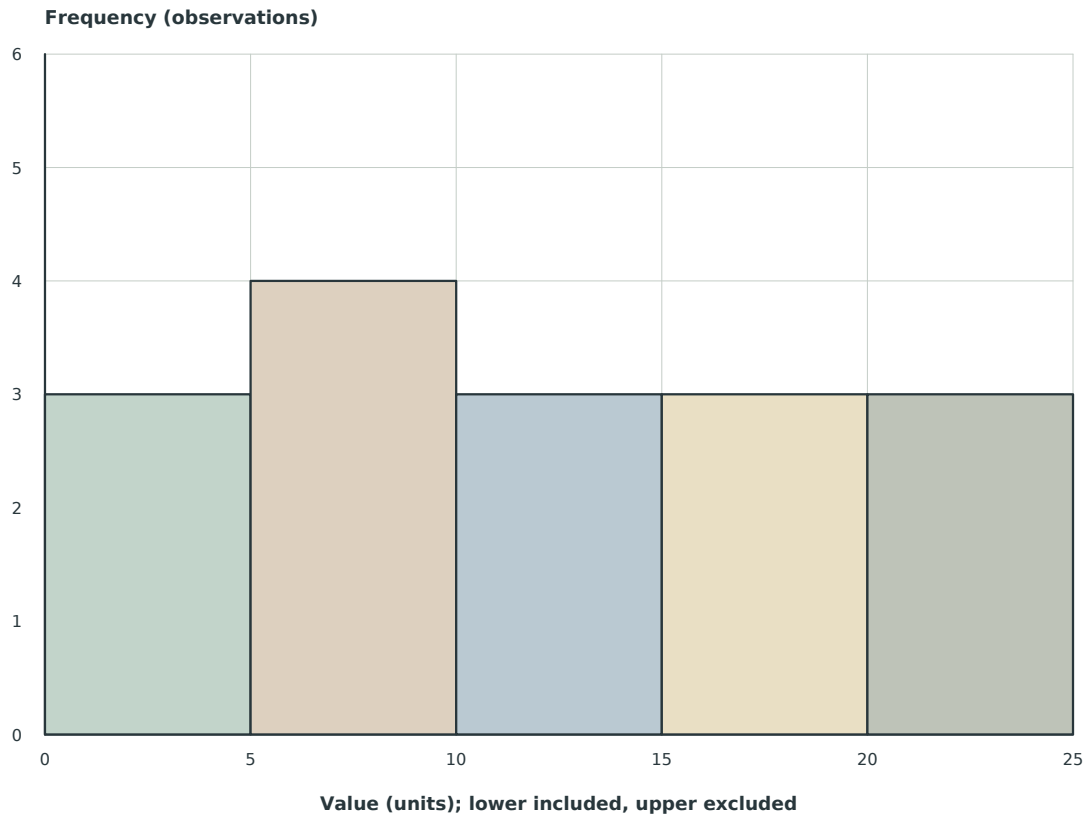
Equal five-unit bins

Fictional numerical data. Each bin includes its lower edge and excludes its upper edge: [a,b). Equal-width bars touch.

Values: 0, 2, 4, 5, 5, 7, 9, 10, 12, 14, 15, 16, 19, 20, 22, 24 / bin edges: 0, 5, 10, 15, 20, 25



1. List bin frequencies from left to right. Compare the completed plot.
2. Check the total frequency. Compare the completed plot.
3. Where does the first internal boundary go? Compare the completed plot.

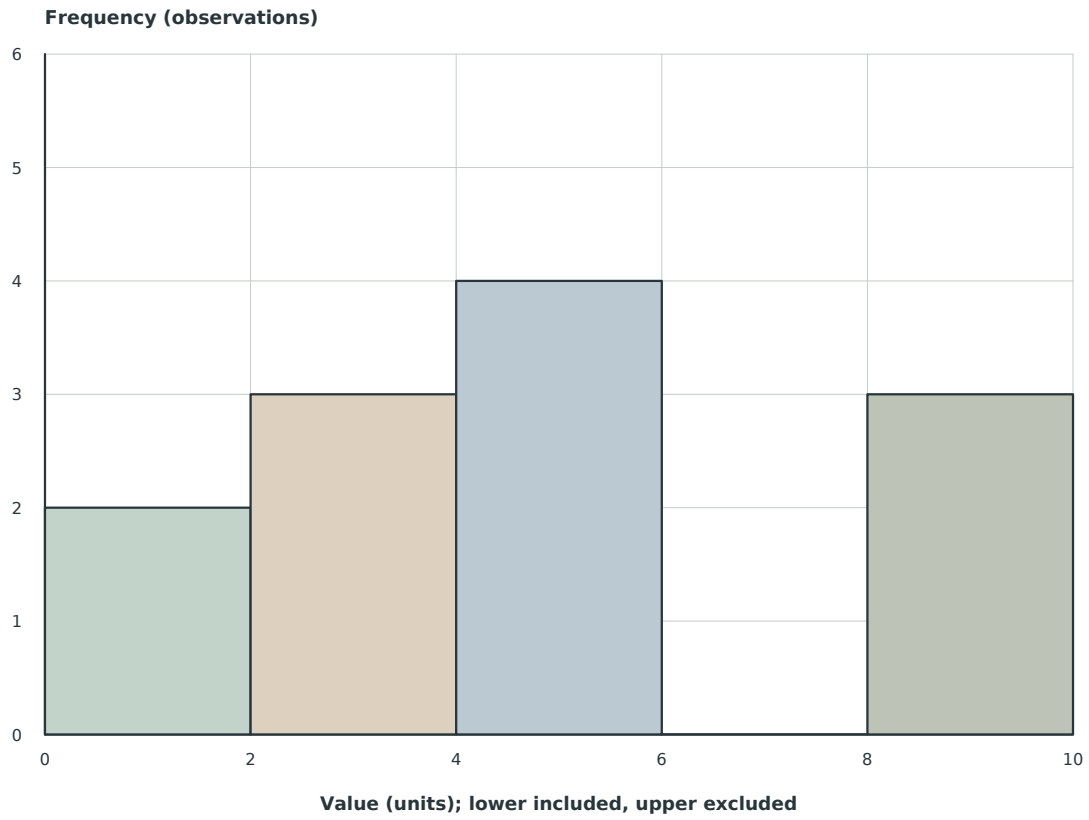
Original practice data / coordinate units, not ruler measurements / physical printing not tested

Zumola / CC BY 4.0 / Free to print, share and adapt with attribution

Equal two-unit bins

Fictional numerical data. Each bin includes its lower edge and excludes its upper edge: [a,b). Equal-width bars touch.

Values: 0, 1, 2, 2, 3, 4, 5, 5, 5, 8, 8, 9 / bin edges: 0, 2, 4, 6, 8, 10



1. List bin frequencies from left to right. Compare the completed plot.
2. Check the total frequency. Compare the completed plot.
3. Where does the first internal boundary go? Compare the completed plot.

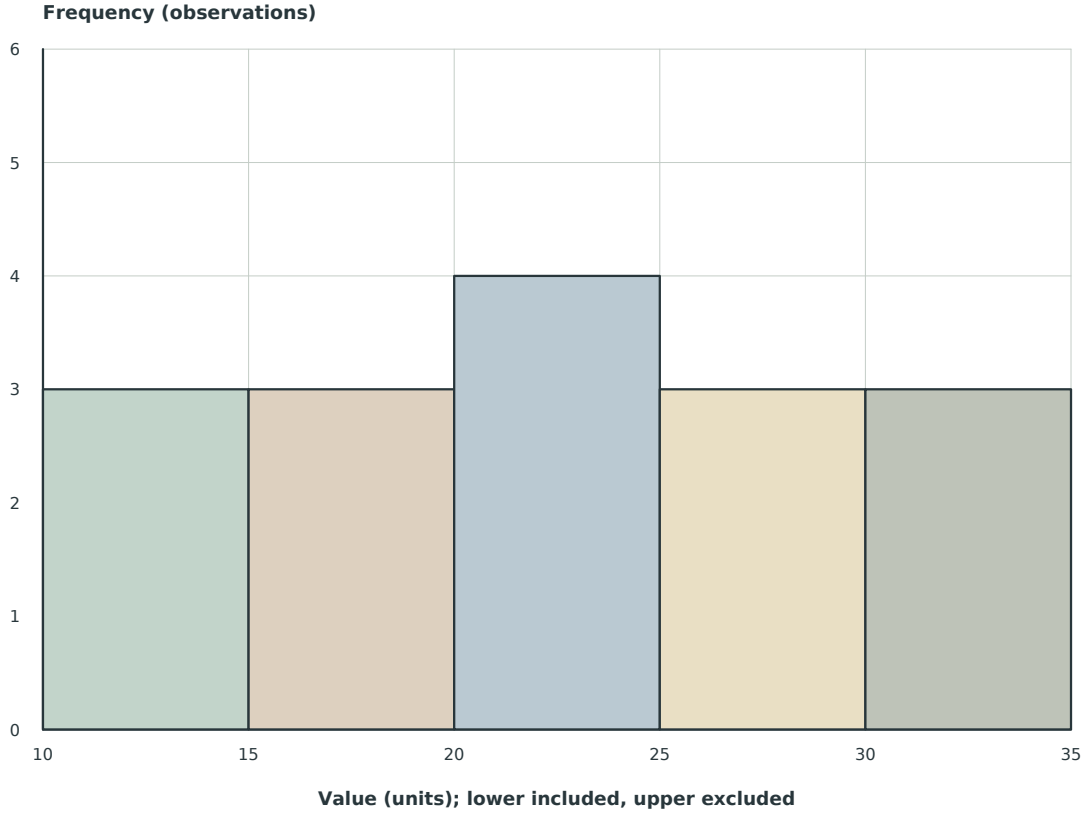
Original practice data / coordinate units, not ruler measurements / physical printing not tested

Zumola / CC BY 4.0 / Free to print, share and adapt with attribution

Bins beginning above zero

Fictional numerical data. Each bin includes its lower edge and excludes its upper edge: [a,b). Equal-width bars touch.

Values: 10, 11, 14, 15, 17, 19, 20, 20, 22, 24, 25, 27, 29, 30, 32, 34 / bin edges: 10, 15, 20, 25, 30, 35



1. List bin frequencies from left to right. Compare the completed plot.
2. Check the total frequency. Compare the completed plot.
3. Where does the first internal boundary go? Compare the completed plot.

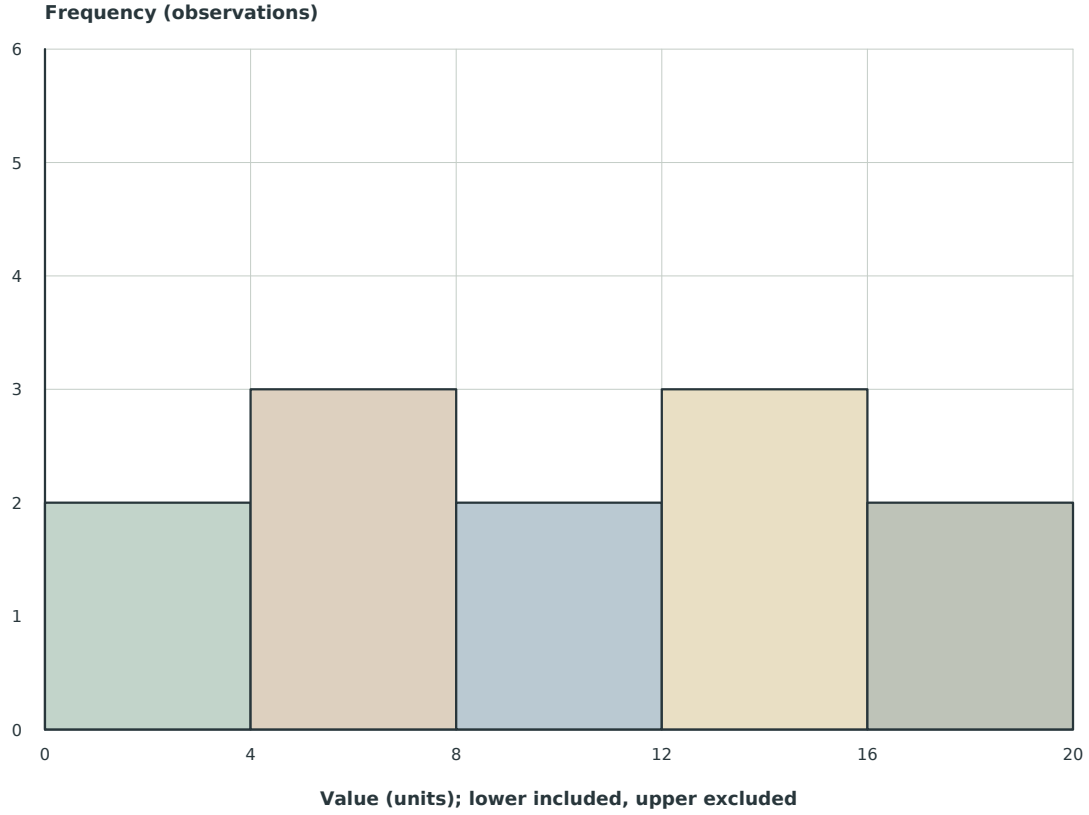
Original practice data / coordinate units, not ruler measurements / physical printing not tested

Zumola / CC BY 4.0 / Free to print, share and adapt with attribution

Repeated boundary values

Fictional numerical data. Each bin includes its lower edge and excludes its upper edge: [a,b). Equal-width bars touch.

Values: 0, 0, 4, 4, 4, 8, 8, 12, 12, 12, 16, 19 / bin edges: 0, 4, 8, 12, 16, 20



1. List bin frequencies from left to right. Compare the completed plot.
2. Check the total frequency. Compare the completed plot.
3. Where does the first internal boundary go? Compare the completed plot.

Original practice data / coordinate units, not ruler measurements / physical printing not tested

Zumola / CC BY 4.0 / Free to print, share and adapt with attribution